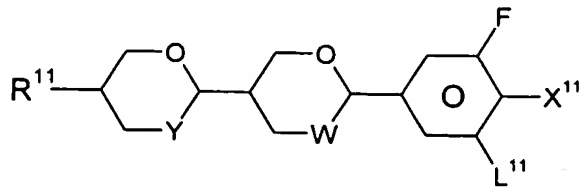
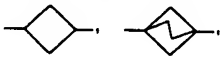
Patent Claims

1. Liquid-crystalline compounds of the formula I



I

in which

R^{11} denotes H, an alkyl or alkoxy radical having 1 to 15 carbon atoms or alkenyl or alkenyloxy radical having 2 to 15 carbon atoms, each of which is unsubstituted or mono- or polysubstituted by halogen, where, in addition, one or more CH_2 groups in these radicals may each, independently of one another, be replaced by -C≡C-, -CH=CH-,  , -O-, -CO-, -CO-O- or -O-CO- in such a way that O atoms are not linked directly to one another,

X^{11} denotes F, Cl, CN, NCS, SF_5, fluoroalkyl or fluoroalkoxy having 1 to 7 carbon atoms or fluoroalkenyl or fluoroalkenyloxy having 2 to 7 carbon atoms;

L^{11} denotes H or F, and

Y stands for O and W stands for CH_2 or Y stands for CH_2 and W stands for O or Y and W both stand for CH_2.

2. Liquid-crystalline compounds according to Claim 1, characterised in that L^{11} denotes F.

3. Liquid-crystalline compounds according to Claim 1 or 2, characterised in that R^{11} denotes a straight-chain alkyl or alkenyl radical having up to 7 carbon atoms.

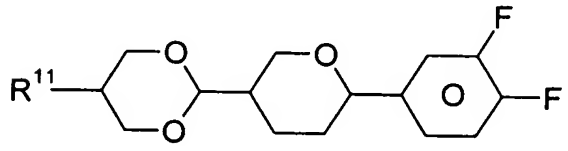
4. Liquid-crystalline compounds according to one of Claims 1 to 3, characterised in that X^{11} denotes F, Cl, , SF_5, CN, OCF_3 or $OCHF_2$.

5. Liquid-crystalline compounds according to one of Claims 1 to 4, characterised in that Y stands for O and W stands for CH_2.

6. Liquid-crystalline compounds according to one of Claims 1 to 4, characterised in that Y stands for CH_2 and W stands for O.

7. Liquid-crystalline compounds according to one of Claims 1 to 4, characterised in that Y and W both stand for CH_2.

8. Liquid-crystalline compounds according to Claim 1, selected from the group consisting of compounds of the formulae I1 to I30:



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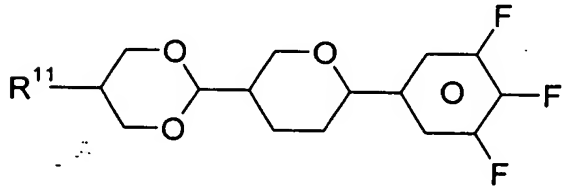

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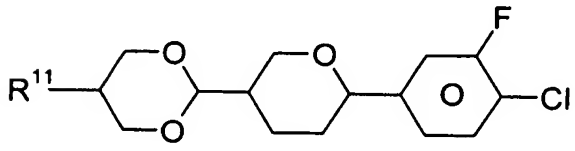

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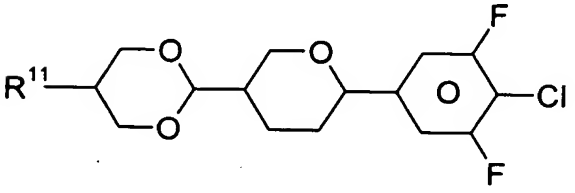

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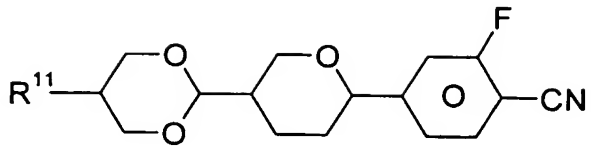

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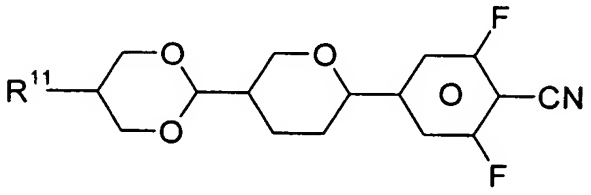

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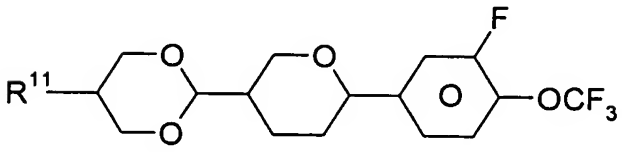

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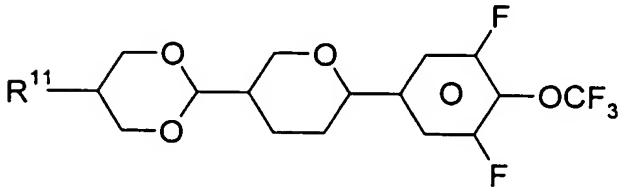

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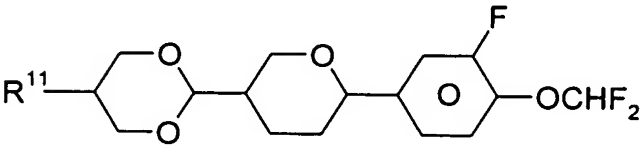

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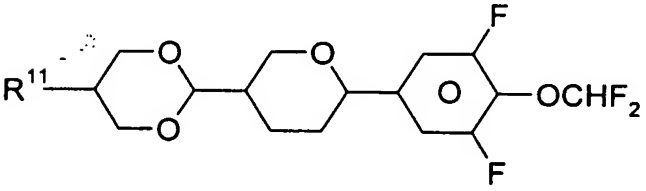

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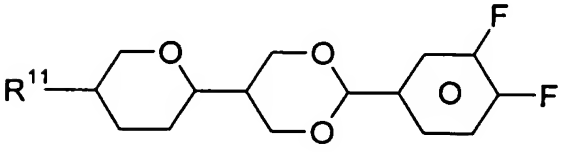

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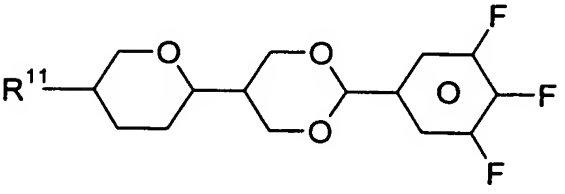

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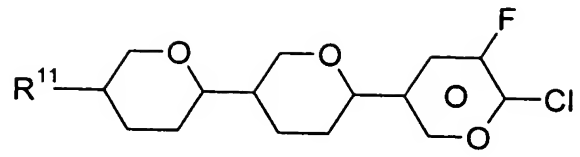

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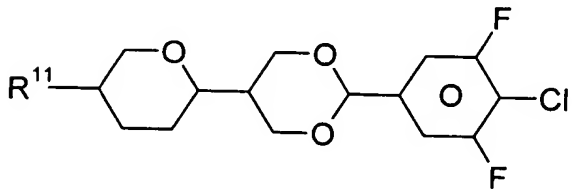

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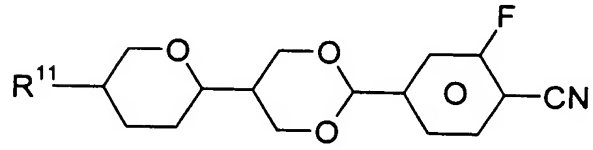

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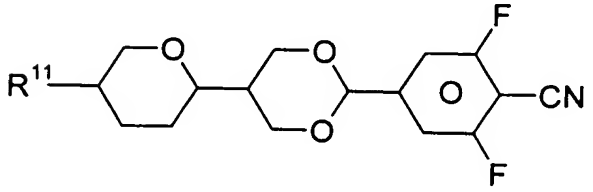

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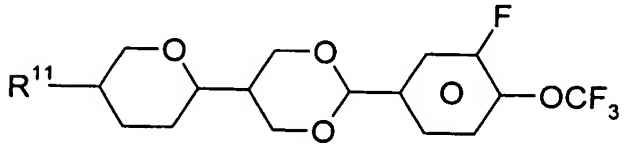

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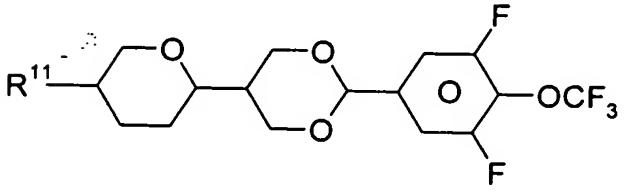

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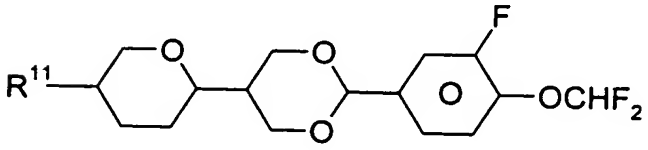

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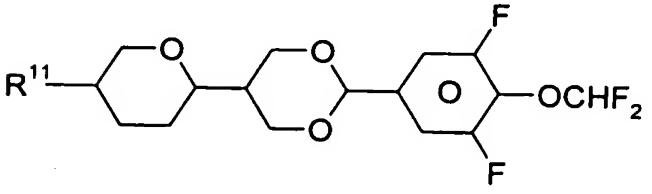

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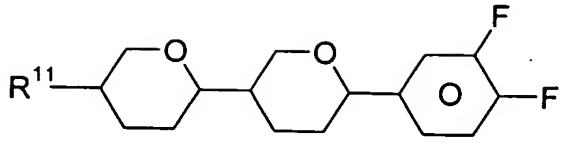

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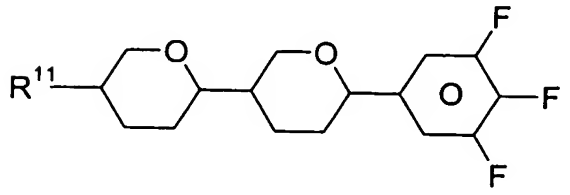

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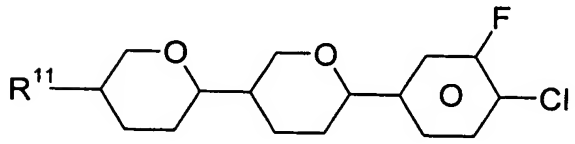

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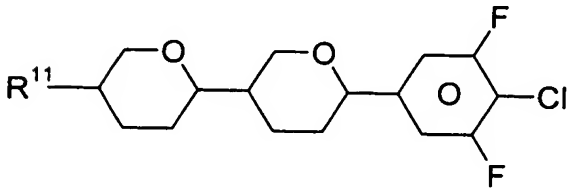

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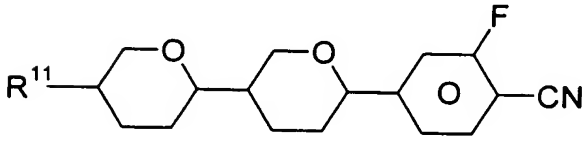

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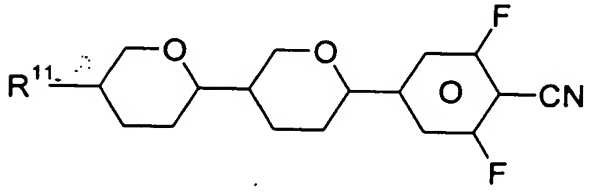

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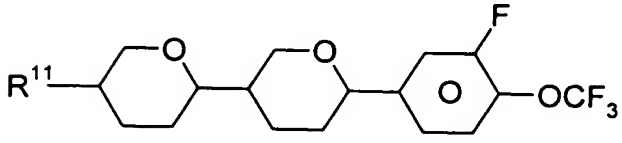

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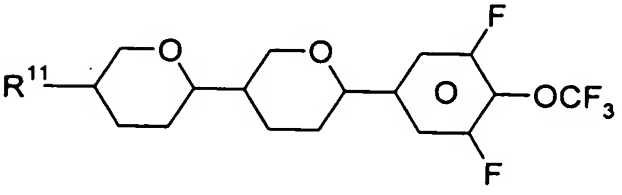

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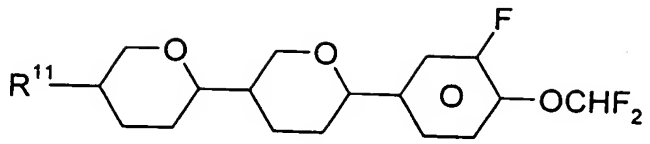

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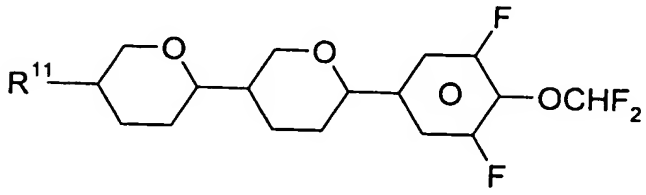

I30

where R^{11} has the meanings indicated in Claim 1.

9. Use of one or more compounds of the formula I according to one of Claims 1 to 8 as components in a liquid-crystalline medium.

10. Liquid-crystalline medium having at least two liquid-crystalline compounds, characterised in that it comprises at least one compound of the formula I according to one of Claims 1 to 8.

11. Use of the liquid-crystalline medium according to Claim 10 for electro-optical purposes.

12. Electro-optical liquid-crystal display containing a liquid-crystalline medium according to Claim 10.